AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A machine-implemented method, comprising:

   in response to an ending of execution of a first process that executed in a first virtual operating system environment (VOSE) of a plurality of VOSEs controlled by a single operating system kernel instance, a processor determining in which VOSE of the plurality of VOSEs the first process executed,

   wherein each VOSE of the plurality of VOSEs comprises a partition of a global file system; and

   in response to the processor determining that the first process executed in the first VOSE, recording, in a first system accounting log file (SALF) stored in a first file system partition associated with the first VOSE, first accounting information about the first process.

2. (Original) The method of claim 1, further comprising:

   in response to determining that the first process executed in the first VOSE, determining, based on first accounting settings that are associated with the first VOSE, one or more specified accounting information aspects of a plurality of accounting information aspects;

   wherein recording the first accounting information comprises recording aspects of accounting information that correspond to the one or more specified accounting information aspects.

3. (Original) The method of claim 2, further comprising:

in response to an invocation of an accounting settings updating function by a second process
that is executing in the first VOSE, determining in which VOSE of the plurality of
VOSEs the second process is executing; and

in response to determining that the second process is executing in the first VOSE, updating
the first accounting settings;

wherein the accounting settings updating function is implemented by the operating system
kernel instance.

4. (Original) The method of claim 3, wherein processes that do not execute in the first VOSE are
prevented from updating the first accounting settings.

5. (Original) The method of claim 1, wherein the first SALF is not accessible by any processes that
execute in any VOSE other than the first VOSE.

6. (Original) The method of claim 1, further comprising:

in response to an ending of execution of a second process that executed in a second VOSE of
the plurality of VOSEs, determining in which VOSE of the plurality of VOSEs the
second process executed; and

in response to determining that the second process executed in the second VOSE, recording,
in a second SALF stored in a second file system partition associated with the second
VOSE, second accounting information about the second process;

wherein the first VOSE is separate from the second VOSE.

7. (Original) The method of claim 6, further comprising:

in response to determining that the first process executed in the first VOSE, determining, based on first accounting settings that are associated with the first VOSE, one or more first specified accounting information aspects of a plurality of accounting information aspects; and

in response to determining that the second process executed in the second VOSE, determining, based on second accounting settings that are associated with the second VOSE, one or more second specified accounting information aspects of the plurality of accounting information aspects;

wherein recording the first accounting information comprises recording aspects of accounting information that correspond to the one or more first specified accounting information aspects;

wherein recording the second accounting information comprises recording aspects of accounting information that correspond to the one or more second specified accounting information aspects; and

wherein the one or more first specified accounting information aspects are separate from the one or more second specified accounting information aspects.

8. (Previously Presented) The method of claim **7,** further comprising:

in response to an invocation of an accounting settings updating function by a third process
that is executing in the first VOSE, determining in which VOSE of the plurality of
VOSEs the third process is executing;

in response to determining that the third process is executing in the first VOSE, updating the
first accounting settings;

in response to an invocation of the accounting settings updating function by a fourth process
that is executing in the second VOSE, determining in which VOSE of the plurality of
VOSEs the fourth process is executing; and

in response to determining that the fourth process is executing in the second VOSE, updating
the second accounting settings;

wherein the accounting settings updating function is implemented by the operating system
kernel instance; and

wherein the first accounting settings are separate from the second accounting settings.

9. (Original) The method of claim 1, further comprising:

in response to the ending of execution of the first process, recording, in a second SALF
stored in a file system that is associated with a global operating system environment
(OSE) that comprises the plurality of VOSEs, second accounting information about
the first process;

wherein the second SALF is separate from the first SALF.

10. (Previously Presented) The method of claim 9, further comprising:

in response to determining that the first process executed in the first VOSE, determining, based on first accounting settings that are associated with the first VOSE, one or more first specified accounting information aspects of a plurality of accounting information aspects; and

determining, based on second accounting settings that are associated with the global OSE, one or more second specified accounting information aspects of the plurality of accounting information aspects;

wherein recording the first accounting information comprises recording aspects of accounting information that correspond to the one or more first specified accounting information aspects;

wherein recording the second accounting information comprises recording aspects of accounting information that correspond to the one or more second specified accounting information aspects;

wherein the one or more first specified accounting information aspects are separate from the one or more second specified accounting information aspects;

in response to an invocation of an accounting settings updating function by a second process that is executing in the first VOSE, determining in which of the global OSE and the plurality of VOSEs the second process is executing;

in response to determining that the second process is executing in the first VOSE, updating the first accounting settings;

in response to an invocation of the accounting settings updating function by a third process

that is executing in the global OSE. determining in which of the global OSE and the

plurality of VOSEs the third process is executing; and

in response to determining that the third process is executing in the global OSE, updating the

second accounting settings;

wherein the first accounting settings are separate from the second accounting settings; and

wherein the accounting settings updating function is implemented by the operating system

kernel instance.

11. (Canceled)

12. (Original) The method of claim 9, wherein the second accounting information indicates an

identity of a VOSE in which the first process executed.

13. (Currently Amended) A volatile or non-volatile machine-readable storage medium, comprising:

instructions for causing one or more processors to determine, in response to an ending of execution of a first process that executed in a first virtual operating system environment (VOSE) of a plurality of VOSEs controlled by a single operating system kernel instance, in which VOSE of the plurality of VOSEs the first process executed

wherein each VOSE of the plurality of VOSEs comprises a partition of a global file system; and

instructions for causing one or more processors to record, in response to determining that the first process executed in the first VOSE, in a first system accounting log file (SALF) stored in a first file system partition associated with the first VOSE, first accounting information about the first process.

14. (Previously Presented) The volatile or non-volatile machine-readable storage medium of claim 13, further comprising:

> instructions for causing one or more processors to determine, based on first accounting settings that are associated with the first VOSE, in response to determining that the first process executed in the first VOSE, one or more specified accounting information aspects of a plurality of accounting information aspects;

> wherein the instructions for causing one or more processors to record the first accounting information comprise instructions for causing one or more processors to record aspects of accounting information that correspond to the one or more specified accounting information aspects.

15. (Previously Presented) The volatile or non-volatile machine-readable storage medium of claim 14, further comprising:

> instructions for causing one or more processors to determine, in response to an invocation of an accounting settings updating function by a second process that is executing in the first VOSE, in which VOSE of the plurality of VOSEs the second process is executing; and

> instructions for causing one or more processors to update, in response to determining that the second process is executing in the first VOSE, the first accounting settings;

> wherein the accounting settings updating function is implemented by the operating system kernel instance.

16. (Previously Presented) The volatile or non-volatile machine-readable storage medium of claim 15, wherein processes that do not execute in the first VOSE are prevented from updating the first accounting settings.

17. (Previously Presented) The volatile or non-volatile machine-readable storage medium of claim 13, wherein the first SALF is not accessible by any processes that execute in any VOSE other than the first VOSE.

18. (Previously Presented) The volatile or non-volatile machine-readable storage medium of claim 13, further comprising:

instructions for causing one or more processors to determine, in response to an ending of execution of a second process that executed in a second VOSE of the plurality of VOSEs, in which VOSE of the plurality of VOSEs the second process executed; and

instructions for causing one or more processors to record, in response to determining that the second process executed in the second VOSE, in a second SALF stored in a second file system partition associated with the second VOSE, second accounting information about the second process;

wherein the first VOSE is separate from the second VOSE.

19. (Previously Presented) The volatile or non-volatile machine-readable storage medium of claim 18, further comprising:

instructions for causing one or more processors to determine, based on first accounting settings that are associated with the first VOSE, in response to determining that the first process executed in the first VOSE, one or more first specified accounting information aspects of a plurality of accounting information aspects; and

instructions for causing one or more processors to determine, based on second accounting settings that are associated with the second VOSE, in response to determining that the second process executed in the second VOSE, one or more second specified accounting information aspects of the plurality of accounting information aspects;

wherein the instructions for causing one or more processors to record the first accounting information comprise instructions for causing one or more processors to record aspects of accounting information that correspond to the one or more first specified accounting information aspects;

wherein the instructions for causing one or more processors to record the second accounting information comprise instructions for causing one or more processors to record aspects of accounting information that correspond to the one or more second specified accounting information aspects;

wherein the one or more first specified accounting information aspects are separate from the one or more second specified accounting information aspects;

instructions for causing one or more processors to determine, in response to an invocation of

an accounting settings updating function by third process that is executing in the first

VOSE, in which VOSE of the plurality of VOSEs the third process is executing;

instructions for causing one or more processors to update, in response to determining that the

third process is executing in the first VOSE. the first accounting settings;

instructions for causing one or more processors to determine, in response to an invocation of

the accounting settings updating function by a fourth process that is executing in the

second VOSE, in which VOSE of the plurality of VOSEs the fourth process is

executing: and

instructions for causing one or more processors to update, in response to determining that the

fourth process is executing in the second VOSE, the second accounting settings;

wherein the accounting settings updating function is implemented by the operating system

kernel instance; and

wherein the first accounting settings are separate from the second accounting settings.

20. (Canceled)

21. (Previously Presented) The volatile or non-volatile machine-readable storage medium of claim

13, further comprising:

instructions for causing one or more processors to record, in response to the ending of

execution of the first process, in a second SALF stored in a file system that is

associated with a global operating system environment (OSE) that comprises the

plurality of VOSEs, second accounting information about the first process;

wherein the second SALF is separate from the first SALF.

22. (Previously Presented) The volatile or non-volatile machine-readable storage medium of claim

21, further comprising:

instructions for causing one or more processors to determine, based on first accounting

settings that are associated with the first VOSE, in response to determining that the

first process executed in the first VOSE, one or more first specified accounting

information aspects of a plurality of accounting information aspects; and

instructions for causing one or more processors to determine, based on second accounting

settings that are associated with the global OSE, one or more second specified

accounting information aspects of the plurality of accounting information aspects;

wherein the instructions for causing one or more processors to record the first accounting

information comprise instructions for causing one or more processors to record

aspects of accounting information that correspond to the one or more first specified

accounting information aspects;

wherein the instructions for causing one or more processors to record the second accounting

information comprise instructions for causing one or more processors to record

aspects of accounting information that correspond to the one or more second

specified accounting information aspects; and

wherein the one or more first specified accounting information aspects are separate from the

one or more second specified accounting information aspects.

23. (Previously Presented) The volatile or non-volatile machine-readable storage medium of claim

    22, further comprising:

        instructions for causing one or more processors to determine, in response to an invocation of

            an accounting settings updating function by a second process that is executing in the

            first VOSE, in which of the global OSE and the plurality of VOSEs the second

            process is executing;

        instructions for causing one or more processors to update, in response to determining that the

            second process is executing in the first VOSE, the first accounting settings;

        instructions for causing one or more processors to determine, in response to an invocation of

            the accounting settings updating function by a third process that is executing in the

            global OSE, in which of the global OSE and the plurality of VOSEs the third process

            is executing; and

        instructions for causing one or more processors to update, in response to determining that the

            third process is executing in the global OSE, the second accounting settings;

        wherein the first accounting settings are separate from the second accounting settings; and

        wherein the accounting settings updating function is implemented by the operating system

            kernel instance.

24. (Previously Presented) The volatile or non-volatile machine-readable storage medium of claim

    21, wherein the second accounting information indicates an identity of a VOSE in which the

    first process executed.

25. (Currently Amended) An apparatus, comprising:

a processor mechanism for determining, in response to an ending of execution of a first process that executed in a first virtual operating system environment (VOSE) of a plurality of VOSEs controlled by a single operating system kernel instance, in which VOSE of the plurality of VOSEs the first process executed

wherein each VOSE of the plurality of VOSEs comprises a partition of a global file system; and

a memory mechanism for recording, in response to determining that the first process executed in the first VOSE, in a first system accounting log file (SALF) stored in a first file system partition associated with the first VOSE, first accounting information about the first process.

26. (Original) The apparatus of claim 25, further comprising:

a mechanism for determining, based on first accounting settings that are associated with the first VOSE, in response to determining that the first process executed in the first VOSE, one or more specified accounting information aspects of a plurality of accounting information aspects;

wherein the mechanism for recording the first accounting information comprises a mechanism for recording aspects of accounting information that correspond to the one or more specified accounting information aspects.

27. (Original) The apparatus of claim 26, further comprising:

    a mechanism for determining, in response to an invocation of an accounting settings updating function by a second process that is executing in the first VOSE, in which VOSE of the plurality of VOSEs the second process is executing; and

    a mechanism for updating, in response to determining that the second process is executing in the first VOSE, the first accounting settings;

    wherein the accounting settings updating function is implemented by the operating system kernel instance.

28. (Original) The apparatus of claim 27, wherein processes that do not execute in the first VOSE are prevented from updating the first accounting settings.

29. (Original) The apparatus of claim 25, wherein the first SALF is not accessible by any processes that execute in any VOSE other than the first VOSE.

30. (Original) The apparatus of claim 25, further comprising:

a mechanism for determining, in response to an ending of execution of a second process that executed in a second VOSE of the plurality of VOSEs, in which VOSE of the plurality of VOSEs the second process executed; and

a mechanism for recording, in response to determining that the second process executed in the second VOSE, in a second SALF stored in a second file system partition associated with the second VOSE, second accounting information about the second process;

wherein the first VOSE is separate from the second VOSE.

31. (Original) The apparatus of claim 30, further comprising:

a mechanism for determining, based on first accounting settings that are associated with the first VOSE, in response to determining that the first process executed in the first VOSE, determining one or more first specified accounting information aspects of a plurality of accounting information aspects; and

a mechanism for determining, based on second accounting settings that are associated with the second VOSE, in response to determining that the second process executed in the second VOSE, one or more second specified accounting information aspects of the plurality of accounting information aspects;

wherein the mechanism for recording the first accounting information comprises a mechanism for recording aspects of accounting information that correspond to the one or more first specified accounting information aspects;

wherein the mechanism for recording the second accounting information comprises a mechanism for recording aspects of accounting information that correspond to the one or more second specified accounting information aspects; and

wherein the one or more first specified accounting information aspects are separate from the one or more second specified accounting information aspects.

32. (Previously Presented) The apparatus of claim 31, further comprising:

a mechanism for determining, in response to an invocation of an accounting settings updating function by a third process that is executing in the first VOSE, in which VOSE of the plurality of VOSEs the third process is executing;

a mechanism for updating, in response to determining that the third process is executing in the first VOSE, the first accounting settings;

a mechanism for determining, in response to an invocation of the accounting settings updating function by a fourth process that is executing in the second VOSE, in which VOSE of the plurality of VOSEs the fourth process is executing; and

a mechanism for updating, in response to determining that the fourth process is executing in the second VOSE, the second accounting settings;

wherein the accounting settings updating function is implemented by the operating system kernel instance; and

wherein the first accounting settings are separate from the second accounting settings.

33. (Original) The apparatus of claim 25, further comprising:

a mechanism for recording, in response to the ending of execution of the first process, in a second SALF stored in a file system that is associated with a global operating system environment (OSE) that comprises the plurality of VOSEs, second accounting information about the first process;

wherein the second SALF is separate from the fist SALF.

34. (Previously Presented) The apparatus of claim 33, further comprising:

a mechanism for determining, based on first accounting settings that are associated with the first VOSE, in response to determining that the first process executed in the first VOSE, one or more first specified accounting information aspects of a plurality of accounting information aspects; and

a mechanism for determining, based on second accounting settings that are associated with the global OSE, one or more second specified accounting information aspects of the plurality of accounting information aspects;

wherein the mechanism for recording the first accounting information comprises a mechanism for recording aspects of accounting information that correspond to the one or more fist specified accounting information aspects;

wherein the mechanism for recording the second accounting information comprises a mechanism for recording aspects of accounting information that correspond to the one or more second specified accounting information aspects;

wherein the one or more first specified accounting information aspects are separate from the one or more second specified accounting information aspects;

a mechanism for updating, in response to an invocation of an accounting settings updating function by a second process that is executing in the first VOSE. In which of the global OSE and the plurality of VOSEs the second process is executing;

a mechanism for updating, in response to determining that the second process is executing in the first VOSE. the first accounting settings;

a mechanism for determining, in response to an invocation of the accounting settings updating function by a third process that is executing in the global OSE. In which of the global OSE and the plurality of VOSEs the third process is executing; and

a mechanism for updating, in response to determining that the third process is executing in the global OSE, the second accounting settings;

wherein the first accounting settings are separate from the second accounting settings; and

wherein the accounting settings updating function is implemented by the operating system kernel instance.

35. (Canceled)

36. (Original) The apparatus of claim 33, wherein the second accounting information indicates an identity of a VOSE in which the first process executed.

37. (Previously Presented) The method of claim 1, wherein the operating system kernel instance exists in a global zone that contains the plurality of VOSEs, and wherein the operating system kernel instance determines in which VOSE of the plurality of VOSES the first process executed in response to the first process invoking an exit function of the operating system kernel instance.

38. (Previously Presented) The volatile or non-volatile machine-readable storage medium of claim 13, wherein the operating system kernel instance exists in a global zone that contains the plurality of VOSEs, and wherein the operating system kernel instance determines in which VOSE of the plurality of VOSES the first process executed in response to the first process invoking an exit function of the operating system kernel instance.

39. (Previously Presented) The apparatus of claim 25, wherein the operating system kernel instance exists in a global zone that contains the plurality of VOSEs, and wherein the operating system kernel instance determines in which VOSE of the plurality of VOSES the first process executed in response to the first process invoking an exit function of the operating system kernel instance.